## PATENT COOPERATION TREATY

To: PARK Young-Woo 5F, Seil Building, #727-13, Yoksam-dong, Gangnam-gu, 135-921 Seoul Republic of Korea			PCT  WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY  (PCT Rule 43bis.1)			
Republic of Rolea			Date of mailing (day/month/year)	30 August 2004 (30.08.2004)		
Applicant's or agent's file reference LW8096PC			FOR FURTHER ACTION See paragraph 2 below			
			date <i>(day/month/year)</i> 2004 (12.02.2004)			
International Patent Class	ification (IPC)	or both national classi G03	ification and IPC 2F1/13357			
Applicant		SAMSUNG ELE	ECTRONICS CO	., LTD.		
Cont. No. I  Cont. No. II  Cont. No. III  Cont. No. IV  Cont. No. V  Cont. No. VI  Cont. No. VI  Cont. No. VII	Basis of the opinion  Priority  Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  Lack of unity of invention  Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  Certain documents cited  Certain defects in the international application  Certain observations on the international application					
International Prelim Authority other than that written opinion If this opinion is, as	rnational preliminary Examining this one to be to sof this Internal provided above y together, when 20 or before the see Form PCT/	g Authority ("IPEA") the IPEA and the chost tional Searching Author, considered to be a very appropriate, with an expiration of 22 mores.	except that this does sen IPEA has notified sority will not be so co written opinion of the I mendments, before the	I be considered to be a written opinion of the not apply where the applicant chooses an the International Bureau under Rule 66.1bis(b) nsidered.  PEA, the applicant is invited to submit to the expiration of 3 months from the date of mailing date, whichever expires later.		
3	rian Patent		Authorized of	ficer GRONAU E.		
Facsimile No. +43 / 1 / 534 24 / 535			Telephone No	Telephone No. +43 / 1 / 534 24 / 320		

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/KR 2004/000278

### Continuation No. I

### Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed.

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#### Continuation No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 2,3,7-11	YES
	Claims 1,4-6	NO
lavorativa at a a (10)		VEC
Inventive step (IS)	Claims 9-11	YES
	Claims 1-8	NO
Industrial applicability (IA)	Claims 1-11	YES
	Claims	NO

2. Citations and explanations:

The following documents are cited in the search report:

- D1 US 5684550 A
- D2 US 2002/0149712 A1
- D3 US 5467208 A
- D4 EP 0677768 A1
- D5 JP 2002 228310 A

Documents D1 to D3 relate to a backlight assembly for liquid crystal display devices comprising a light generating part, a light controlling part and a light condensing part. The light condensing part is integrally formed with the light controlling part so as to condense the controlled light. The light controlling part is a light diffusion plate and the light condensing part is a brightness enhancement sheet. The brightness enhancement sheet disclosed in D1 and D3 consists of a prism sheet. The prism sheet of D1 may have round prism crests (rounded ridges), see col.28, line 47-49.

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Therefore, documents D1 to D3 anticipate the subject matter of claims 1, 4 to 6 of the present application in their entirety.

Document D4 relates to a backlight liquid crystal display including a collimated backlight assembly. At the observer's side of the liquid crystal a brightness enhancement film and light diffusing sheet are arranged on a first polarizer. As the brightness enhancement film a prism sheet is used. An index matching adhesive is provided on both sides of the prism sheet so as to adhere the prism sheet to the diffuser and to the polarizer, see page 9, line 3-6. In another embodiment shown in Fig. 1b of D4, the diffuser and the prism facets are integrally formed as one piece.

It is therefore obvious for a person skilled in the art to use an adhesive layer for laminating a diffuser with a brightness enhancement sheet. The subject matter of claims 2 and 7 lacks an inventive step.

Document D5 also relates to backlight liquid crystal display comprising a backlight unit with an diffusion sheet and a liquid crystal display panel. The LCD panel essentially comprises a reflective polarizing film, a lower dichroism polarizing element, a LC layer, a phase retarder and an upper dichroism polarizing element. The lower dichroism polarizing element and the reflective polarizing film are laminated with each other using a pressure sensitive adhesive, preferably a acrylate adhesive, see paragraphs 30 and 32. Therefore, the subject matter of claims 3 and 8 are rendered obvious by combining the disclosure of D1 or D2 with that of D5.

The subject matter of independent claim 9 differs from the state of the art, represented by the cited references, in that a protection sheet is disposed on the brightness enhancement film to prevent breakage of the LCD panel. With regard to this distinguishing feature subject matter of claim 9 is considered novel and to include an inventive step.

Claims 10 and 11 specify preferred embodiments of the subject matter of claim 9 and are considered novel and including an inventive step in combination with claim 9.

Industrial applicability is given for all claims 1-11.